

DESIGN QUANTITY TABLE ②				
HOT MIX ASPHALT ③				
④	SHOULDER SURFACE AREA	HOT MIX ASPHALT	ASPHALT BINDER	TACK COAT ④
m	m <sup>2</sup>	Mg	Mg	L
1.2	120.0	55.80	3.35	29.66
1.8	180.0	83.70	5.02	41.66
2.4	240.0	111.60	6.70	53.66
3.0	300.0	139.50	8.37	65.66

#### GENERAL NOTES:



Payment for "Special Backfill" shall be based on a uniform 150 millimeter thickness. The thickness may be exceeded at the Contractor's option with no compensation for the additional material.

#### Contract Items:

Paved Shoulder, Hot Mix Asphalt Mixture, 200 mm  
Special Backfill

- ① Refer to the appropriate Detail Drawing.
- ② Quantities listed are for one shoulder per station. Quantities indicated are for design purposes.
- ③ Quantities shown are based on a design density of 2325 kilograms per cubic meter for Hot Mix Asphalt with an asphalt content of 6.0% utilizing a 19 millimeter aggregate mix size, with 45% crushed particles, and no special aggregate frictional requirements.  $N_{ini}$ ,  $N_{des}$ , and  $N_{max}$  shall be 7, 68, and 104 respectively regardless of design ESALs for the pavement. Asphalt Binder PG58-28 shall be utilized with this mix.
- ④ Includes quantity for tack coating vertical face of adjacent pavement prior to placement of any base material. Tack coat estimated at one (1) application at 0.20 liters per square meter.

All dimensions given in millimeters unless noted.

<b>M</b>	 <b>Iowa Department of Transportation</b> Highway Division	
	<b>STANDARD ROAD PLAN RJ-33</b>	
	REVISION: Remove reference to Rumble Strip Standard.	REVISION NO. 16
	 APPROVED BY DESIGN METHODS ENGINEER	REVISION DATE 10-21-03
	<b>PAVED SHOULDER</b> <b>200 mm HMA</b> <b>(ADJACENT TO HMA PAVEMENT)</b>	